

WHAT IS CLAIMED IS:

1. A computer accessible medium comprising a plurality of instructions which, when executed during a restore operation of a database to a computer system, wherein the database describes a computer system configuration, and wherein a first instance of the database is included in backup data being restored and a second instance of the database exists on the computer system:

process one or more first keys of the second instance, the one or more first keys identifying one or more second keys of the second instance, wherein identification by the one or more first keys indicates that the one or more second keys are to be preserved in the database subsequent to the restore operation; and

if the computer system's hardware is equivalent to hardware of a source of the backup data, process a third key, wherein the third key overrides a preservation of at least one of the one or more second keys.

2. The computer accessible medium as recited in claim 1 wherein the plurality of instructions, when executed, merge the first instance and the second instance of the database to generate a third instance, wherein the third instance comprises: (i) each of the one or more second keys from the second instance whose preservation is not overridden by the third key; and (ii) each of the one or more second keys from the first instance whose preservation is overridden by the third key.

3. The computer accessible medium as recited in claim 2 wherein the plurality of instructions, when executed, restore the third instance to the computer system.

4. The computer accessible medium as recited in claim 1 wherein the source comprises a

second computer system.

5. The computer accessible medium as recited in claim 1 wherein the source comprises the computer system, via a backup operation performed prior to the restore operation.

5

6. The computer accessible medium as recited in claim 1 wherein the one or more first keys comprise a fourth key and a fifth key, wherein the fifth key is processed if the restore operation is an automated system restore operation.

10 7. The computer accessible medium as recited in claim 5 wherein the fourth key is unconditionally processed during the restore operation.

8. The computer accessible medium as recited in claim 1 further comprising a second plurality of instructions which, when executed prior to a backup operation on the source,
15 insert the third key into the database if the third key is not found in the database.

9. The computer accessible medium as recited in claim 8 wherein the second plurality of instructions are executed responsive to an install of the second plurality of instructions and the plurality of instructions on the source.

20

10. A computer system comprising a processor and the computer accessible medium as recited in claim 1, the processor coupled to the computer accessible medium and configured to execute the plurality of instructions.

25 11. A method, during a restore operation of a database to a computer system, wherein the database describes a computer system configuration, and wherein a first instance of the database is included in backup data being restored and a second instance of the database exists on the computer system, the method comprising:

processing one or more first keys of the second instance, the one or more first
keys identifying one or more second keys of the second instance, wherein
identification by the one or more first keys indicates that the one or more
second keys are to be preserved in the database subsequent to the restore;
5 and

if the computer system's hardware is equivalent to hardware of a source of the
backup data, processing a third key, wherein the third key overrides a
preservation of at least one of the one or more second keys.

10

12. The method as recited in claim 11 further comprising merging the first instance and
the second instance of the database to generate a third instance, wherein the third instance
comprises: (i) each of the one or more second keys from the second instance whose
preservation is not overridden by the third key; and (ii) each of the one or more second
15 keys from the first instance whose preservation is overridden by the third key.

13. The method as recited in claim 12 further comprising restoring the third instance to
the computer system.

20 14. The method as recited in claim 11 wherein the source comprises a second computer
system.

15. The method as recited in claim 11 wherein the source comprises the computer
system, via a backup operation performed prior to the restore operation.

25

16. The method as recited in claim 11 wherein the one or more first keys comprise a
fourth key and a fifth key, wherein processing the one or more first keys comprises
processing the fifth key if the restore operation is an automated system restore operation.

17. The method as recited in claim 16 wherein processing the one or more first keys further comprises unconditionally processing the fourth key.

18. The method as recited in claim 11 further comprising, prior to a backup operation on the source, inserting the third key into the database if the third key is not found in the database.

19. A computer accessible medium comprising a plurality of instructions which, when executed during a restore operation of a database to a computer system, wherein the database describes a computer system configuration, and wherein a first instance of the database is included in backup data being restored and a second instance of the database exists on the computer system:

process one or more first keys of the second instance, the one or more first keys identifying one or more second keys of the second instance, wherein identification by the one or more first keys indicates that the one or more second keys are to be preserved in the database subsequent to the restore; and

if the computer system's hardware is equivalent to hardware of a source of the backup data, process a third key, wherein the third key takes precedence over the one or more first keys if a conflict exists between the one or more first keys and the third key.

20. The computer accessible medium as recited in claim 19 wherein the plurality of instructions, when executed, merge the first instance and the second instance of the database to generate a third instance under control of the one or more first keys and, if the computer system's hardware is equivalent to hardware of a source of the backup data, the third key.

21. The computer accessible medium as recited in claim 19 wherein the plurality of instructions, when executed, restore the third instance to the computer system.

5 22. The computer accessible medium as recited in claim 19 wherein the one or more first keys comprise a fourth key and a fifth key, wherein the fifth key is processed if the restore operation is an automated system restore operation, and wherein the fifth key takes precedence over the fourth key if there is conflict between the fifth key and the fourth key.

10

23. The computer accessible medium as recited in claim 22 wherein the fourth key is unconditionally processed during the restore operation.

15 24. A computer system comprising a processor and the computer accessible medium as recited in claim 19, the processor coupled to the computer accessible medium and configured to execute the plurality of instructions.